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APPLICATION NO.	FI	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/065,981 12/06/2002		12/06/2002	Eugene Olczak	040849-0264	4517
22428	7590	08/23/2005		EXAMINER	
FOLEY AN	D LARI	ONER		LEE, GUI	YOUNG
SUITE 500					
3000 K STREET NW				ART UNIT	PAPER NUMBER
WASHINGTON DC 20007				2875	

DATE MAILED: 08/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	10/065,981	OLCZAK, EUGENE					
Office Action Summary	Examiner	Art Unit					
	Guiyoung Lee	2875					
The MAILING DATE of this communication ap Period for Reply	opears on the cover sheet with the c	correspondence address					
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mailine earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be tinply within the statutory minimum of thirty (30) day d will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 16.	<u>June 2005</u> .						
2a) ☐ This action is FINAL. 2b) ☑ Th	is action is non-final.						
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
 4a) Of the above claim(s) is/are withdr 5) ⊠ Claim(s) 1.4,5.18,22 and 23 is/are allowed. 6) ⊠ Claim(s) 6-9.12,13,15.17 and 19-21 is/are rej 7) ⊠ Claim(s) 10.14,24 and 25 is/are objected to. 	 ✓ Claim(s) 6-9,12,13,15,17 and 19-21 is/are rejected. ✓ Claim(s) 10,14,24 and 25 is/are objected to. 						
Application Papers							
9) The specification is objected to by the Examin 10) The drawing(s) filed on is/are: a) acceptant may not request that any objection to the Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examin 11).	ccepted or b) objected to by the e drawing(s) be held in abeyance. Se ection is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).					
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document of the priority document of the priority document of the certified copies of the certified copies of the certified copies of the priority document of the certified copies	nts have been received. nts have been received in Applicat iority documents have been receive au (PCT Rule 17.2(a)).	ion No ed in this National Stage					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/06) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:						

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DETAILED ACTION

Prelim./Amdt.

- 1. Receipt is acknowledged of the Amendment filed 06/09/2005.
- 2. Applicant cancelled claims 2-3, 11, 16 and 26-29.
- 3. Claims 1, 4-10, 12-15, and 17-25 are pending.

Allowable Subject Matter

4. The indicated allowability of claims 6-7, 15, 17, 19, and 21 is withdrawn in view of the newly discovered reference(s) to Ookawa et al. (US 6,628,460 B1). Rejections based on the newly cited reference(s) follow.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 6. Claims 6-7 and 19 are rejected under 35 U.S.C. 102(e) as being anticipated by Ookawa et al. (US 6,628,460 B1).

Re claims 6-7 and 19: Ookawa discloses an optical substrate having a prism structure characterized by a peak angle in the range of 80 degree to 100 degree (col. 5, line 58) and a refractive index of 1.6 or more (col. 5, line 65). Further, Ookawa discloses that the ultraviolet

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curable material composition is supplied in the prism structure in order to prevent a bubble generation (col. 2, line 35+).

Claim Rejections - 35 USC § 103

- 7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 8. Claims 8-9, 12-13, 15, 17, 20-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ookawa in view of Higuchi et al (US 5,797,668) and Lu (US 2002/0097496 A1).

Re claims 8-9, 12-13, 15, 17, and 20-21: Ookawa's teachings have been discussed above.

Ookawa discloses the peak angle range of the prism and the refractive index as set forth in the claim. Ookawa does not disclose that a cross section of the prism structure have a curved facet or a plurality of facets. Higuchi discloses a prism structure having a curved facet (Fig. 17 and Fig. 18), and Lu discloses a prism structure having a plurality of facets (Fig. 6). It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Ookawa's prism structure to include a curved facet or a plurality of facets as Higuchi and Lu showed because such modification of prism structure make it possible to control and redirect propagation direction of the light and such modification would be within the level of ordinary skill in the art.

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Allowable Subject Matter

9. Claims 1, 4-5, 18 and 22-23 are allowed.

10. Claims 10, 14, and 24-25 are objected to as being dependent upon a rejected base claim,

but would be allowable if rewritten in independent form including all of the limitations of the

base claim and any intervening claims.

11. The following is a statement of reasons for the indication of allowable subject matter:

With regard to claims 1, 4-5, 10, 14, 18, 22-25, the prior art of record does not disclose the

claimed optical substrate having a prism structure characterized by a cross section having a

curved facet described by the equation as set forth in the claims.

Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Guiyoung Lee whose telephone number is 571-272-2374. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra O'Shea can be reached on 571-272-2378. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LGY

V V_{Sandra} O'Shea Supervisory Patent Examiner Technology Center 2800